

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067884.D
 Acq On : 04 Dec 2020 14:37
 Operator : VA/SY
 Sample : L4599-02
 Misc : 4.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-035-IDWSO-20201203

Quant Time: Dec 04 23:50:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	221873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	302922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	260250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	124992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	96502	40.51	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.02%
35) Dibromofluoromethane	7.93	113	85555	42.21	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.42%
50) Toluene-d8	10.34	98	335559	45.99	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.98%
62) 4-Bromofluorobenzene	12.64	95	100025	39.65	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.30%

Target Compounds

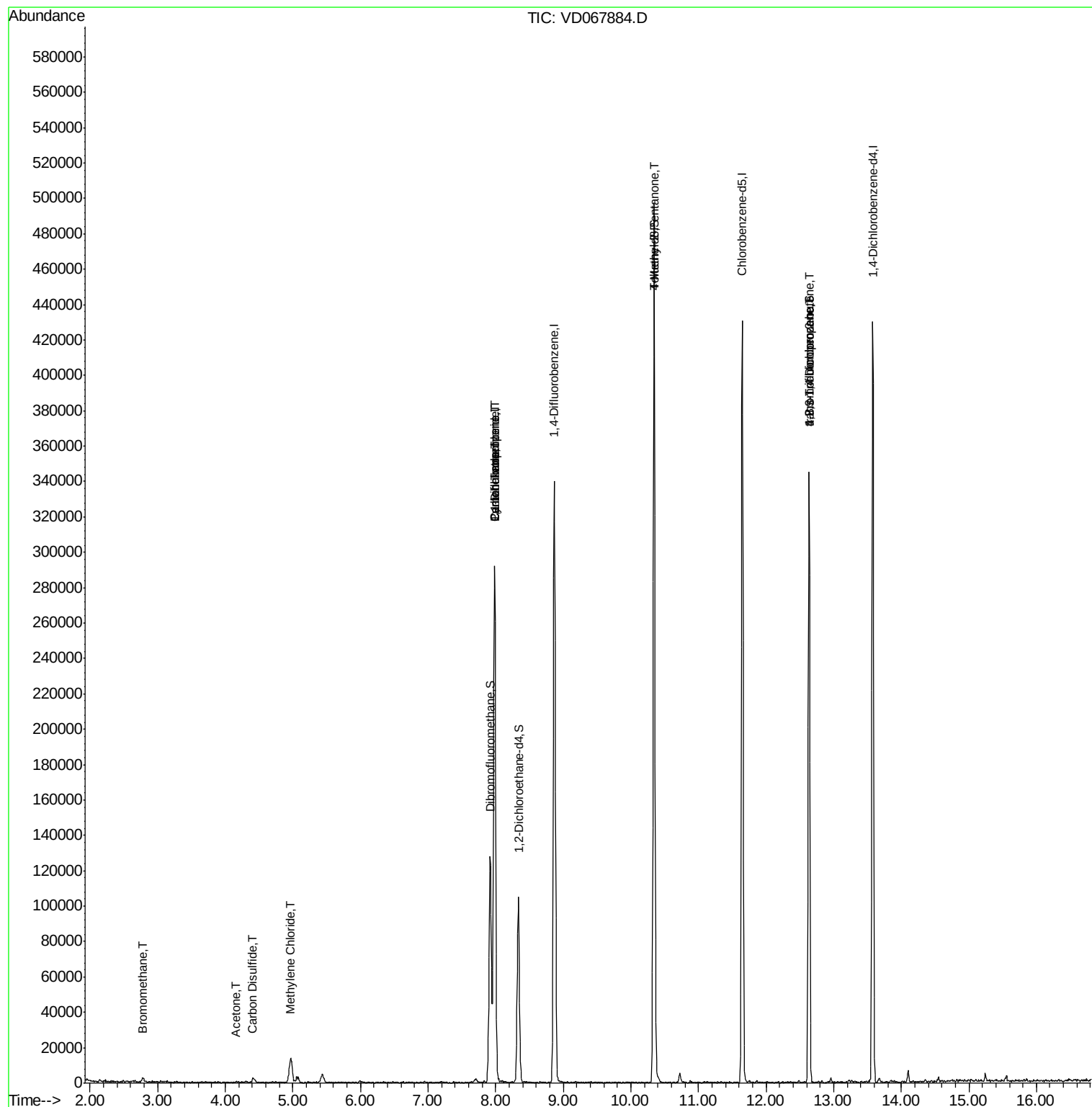
					Qvalue	
5) Bromomethane	2.77	94	1575	1.257	ug/l #	54
16) Acetone	4.16	43	353	1.199	ug/l #	47
17) Carbon Disulfide	4.41	76	5223	1.017	ug/l #	87
20) Methylene Chloride	4.96	84	12189	2.490	ug/l	90
31) Cyclohexane	7.98	56	4392	1.750	ug/l #	22
36) 1,1-Dichloropropene	7.98	75	14449	5.510	ug/l #	48
38) Carbon Tetrachloride	7.98	117	21354	5.382	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	1372	2.085	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	55650	61.138	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	55650	146.249	ug/l #	7

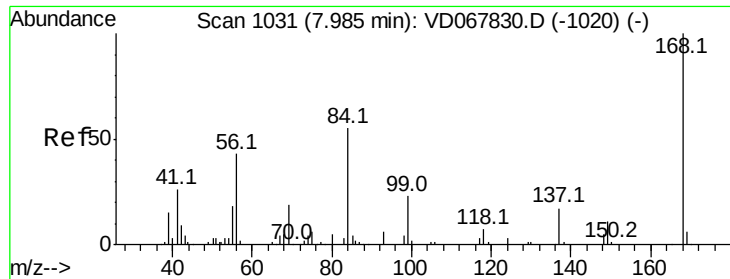
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 4.17G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
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Quant Time: Dec 04 23:50:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067884.D

Acq: 04 Dec 2020 14:37

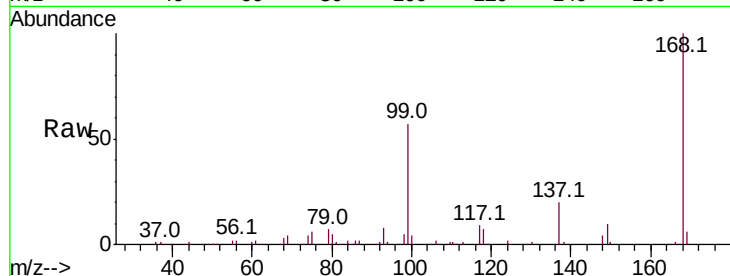
Instrument :
MSVOA_D
ClientSampleId :
TT-035-IDW/ISO-20201203

Tot Ion:168 Resp: 221873

Ion Ratio Lower Upper

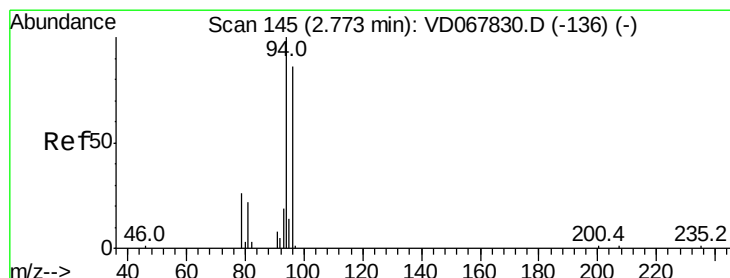
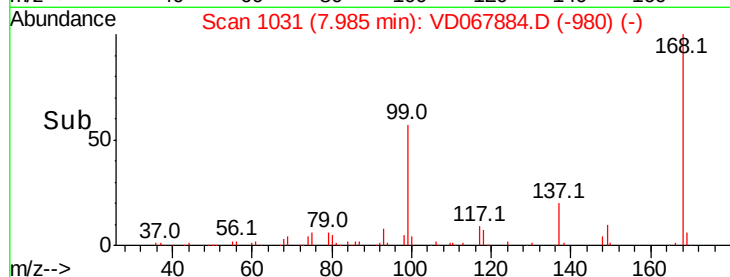
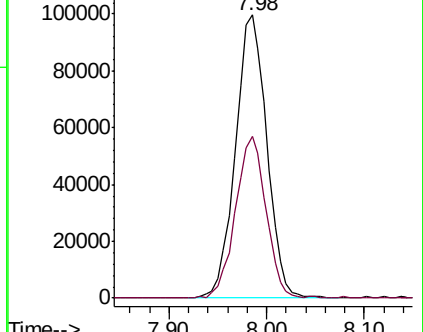
168 100

99 57.1 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: 1.257 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067884.D

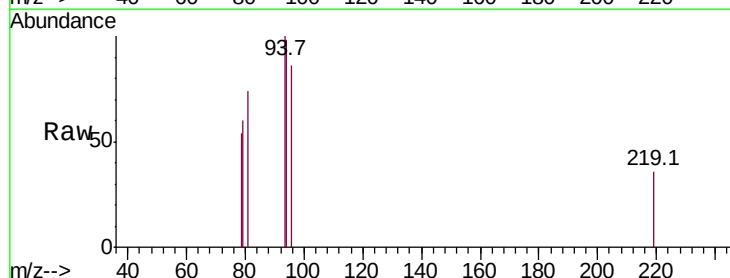
Acq: 04 Dec 2020 14:37

Tgt Ion: 94 Resp: 1575

Ion Ratio Lower Upper

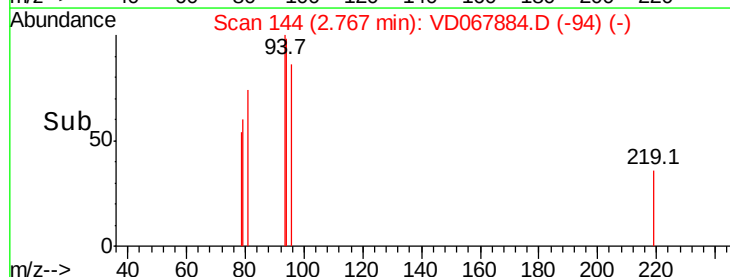
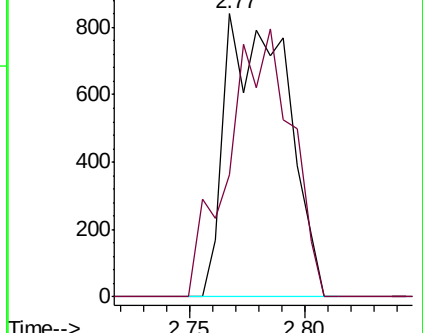
94 100

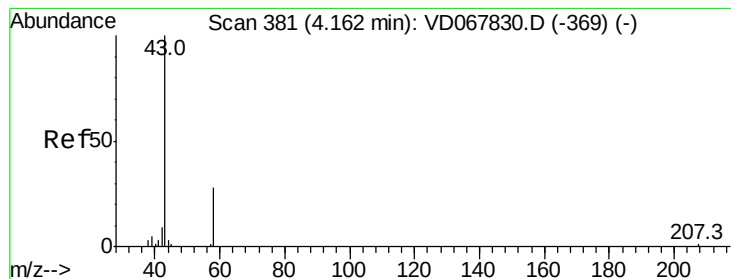
96 43.3 68.7 103.1#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 1.199 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067884.D

Acq: 04 Dec 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

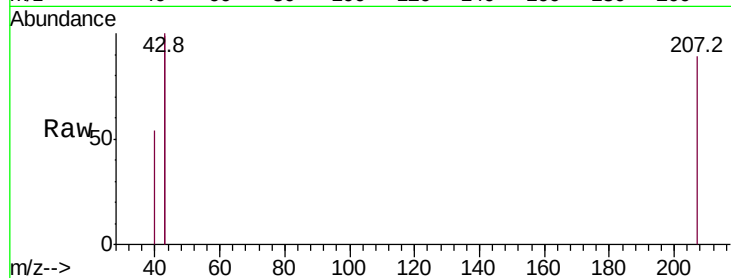
TT-035-IDWSO-20201203

Tot Ion: 43 Resp: 353

Ion Ratio Lower Upper

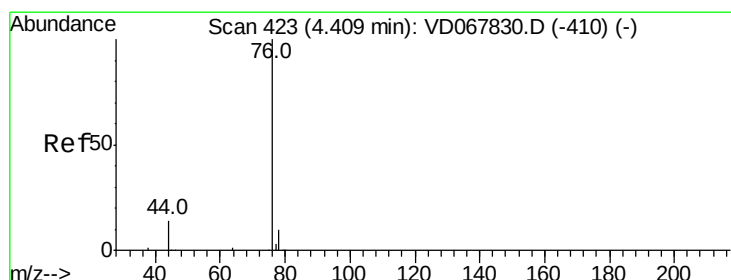
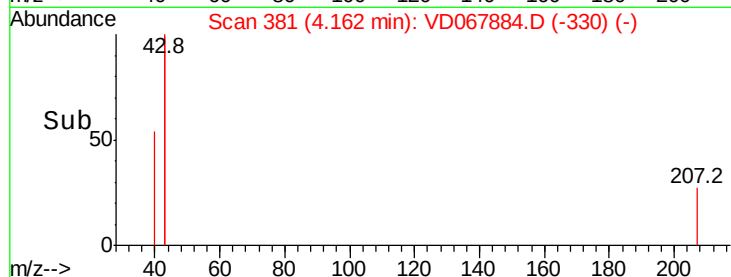
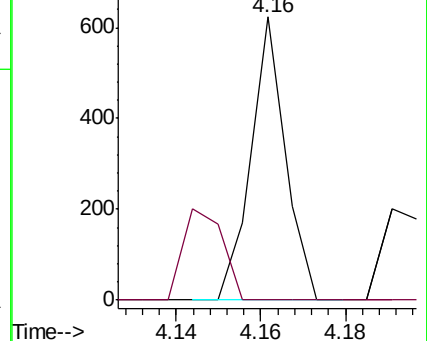
43 100

58 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.017 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067884.D

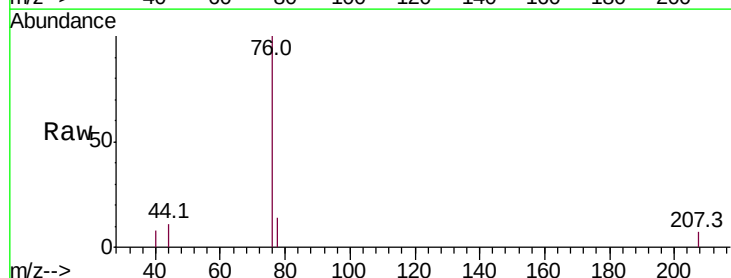
Acq: 04 Dec 2020 14:37

Tgt Ion: 76 Resp: 5223

Ion Ratio Lower Upper

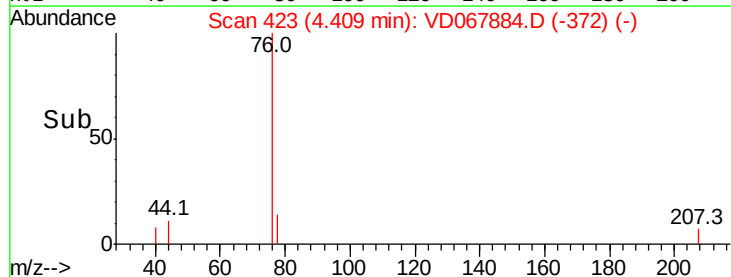
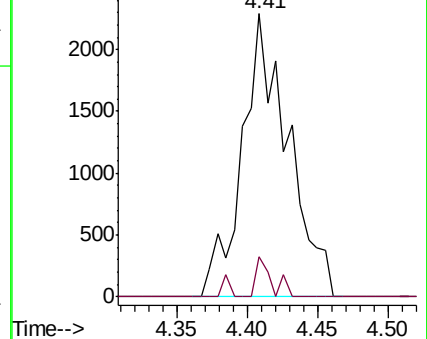
76 100

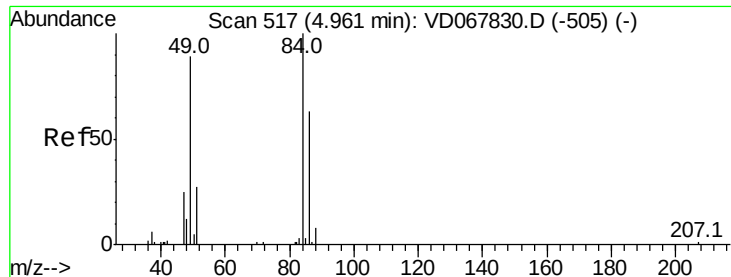
78 14.4 7.8 11.6#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC





#20

Methvlene Chloride

Concen: 2.490 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067884.D

Acq: 04 Dec 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

TT-035-IDWSO-20201203

Tot Ion: 84 Resp: 12189

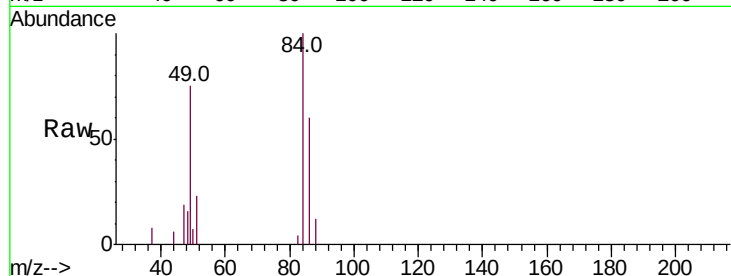
Ion Ratio Lower Upper

84 100

49 74.7 71.4 107.0

51 22.9 21.8 32.8

86 59.8 50.6 75.8

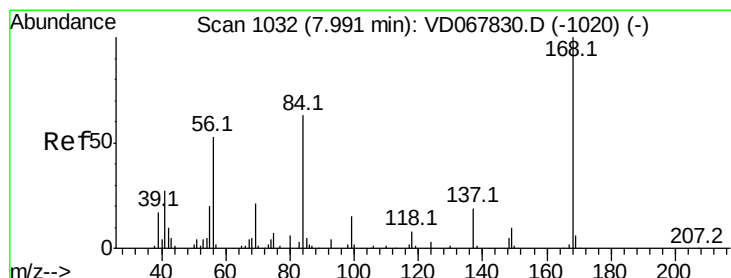
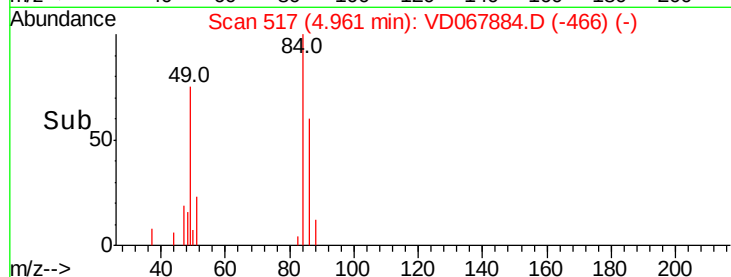
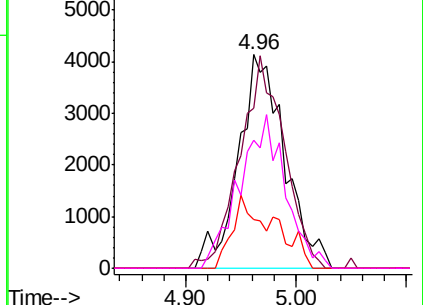


Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31

Cyclohexane

Concen: 1.750 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067884.D

Acq: 04 Dec 2020 14:37

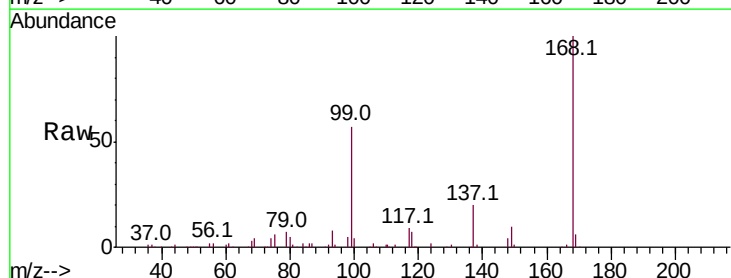
Tgt Ion: 56 Resp: 4392

Ion Ratio Lower Upper

56 100

69 153.3 32.1 48.1#

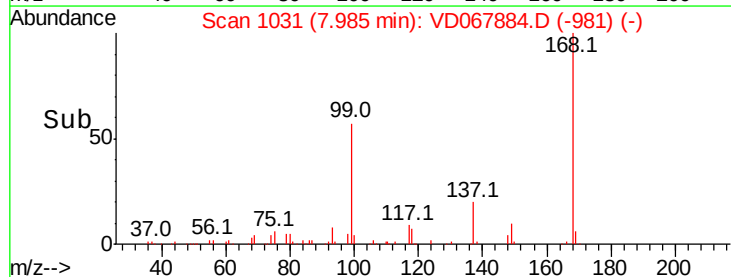
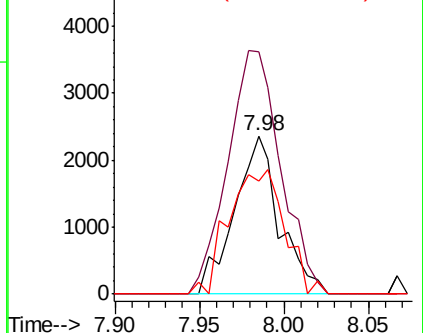
84 71.4 93.2 139.8#

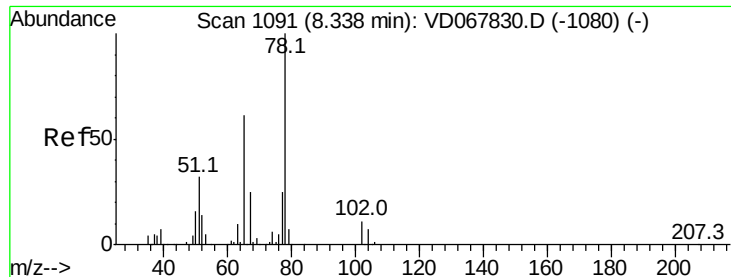


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 40.515 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

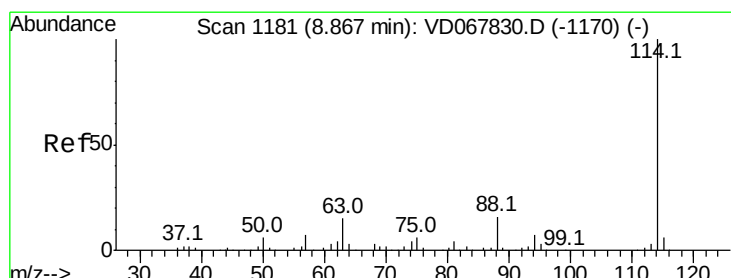
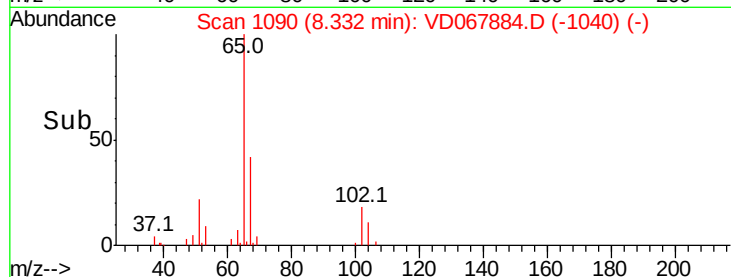
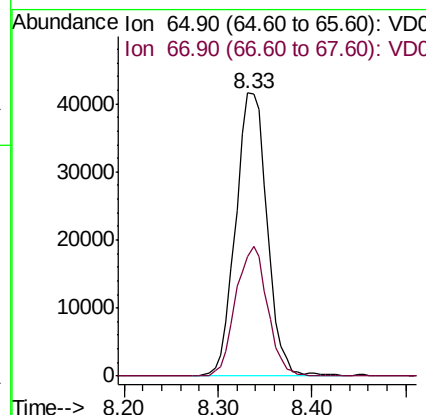
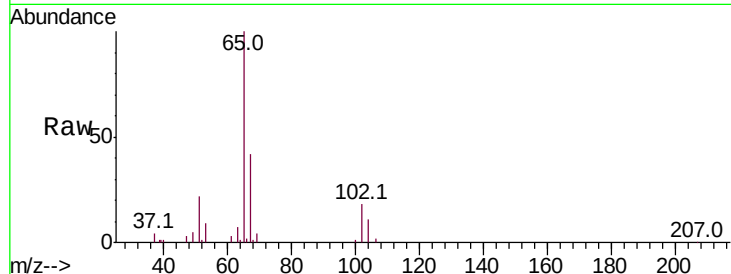
Lab File: VD067884.D

Acq: 04 Dec 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
TT-035-IDWSO-20201203

Tot Ion: 65 Resp: 96502

Ion	Ratio	Lower	Upper
65	100		
67	46.1	0.0	92.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

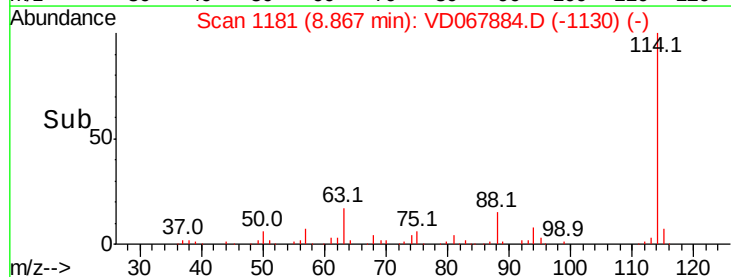
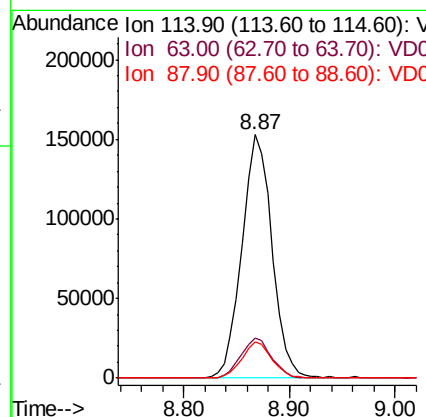
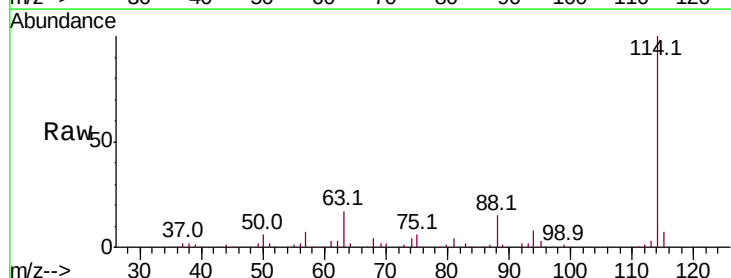
Delta R.T. 0.00 min

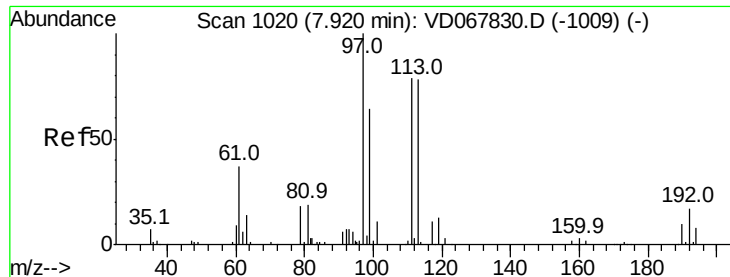
Lab File: VD067884.D

Acq: 04 Dec 2020 14:37

Tgt Ion: 114 Resp: 302922

Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	30.8
88	14.7	0.0	31.8

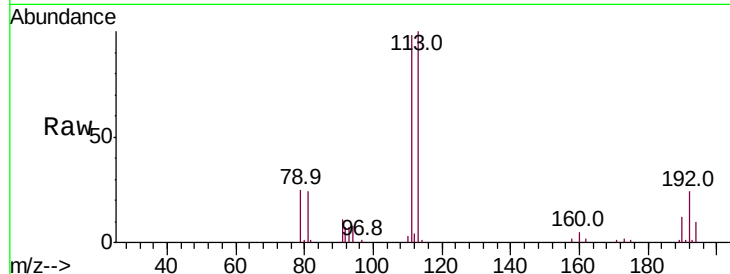




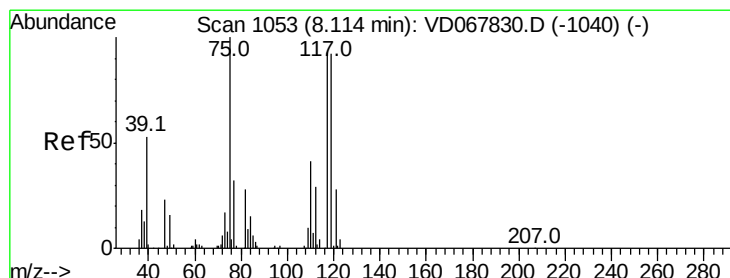
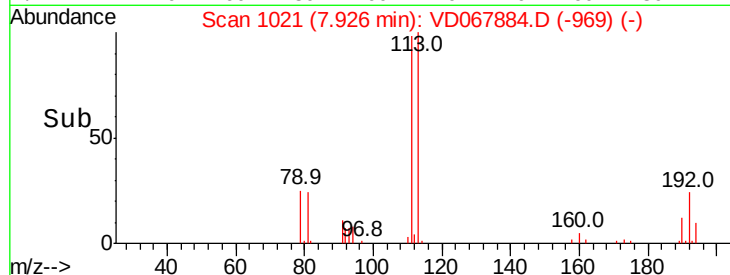
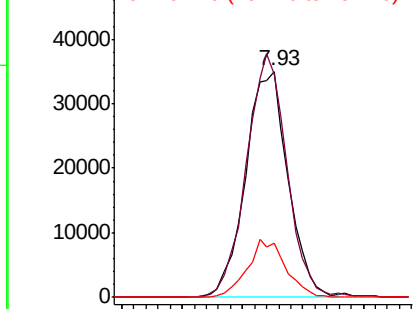
#35
Dibromofluoromethane
Concen: 42.208 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VD067884.D
Acq: 04 Dec 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
TT-035-IDWSO-20201203

Tot Ion:113 Resp: 85555
Ion Ratio Lower Upper
113 100
111 103.0 81.2 121.8
192 22.9 16.8 25.2

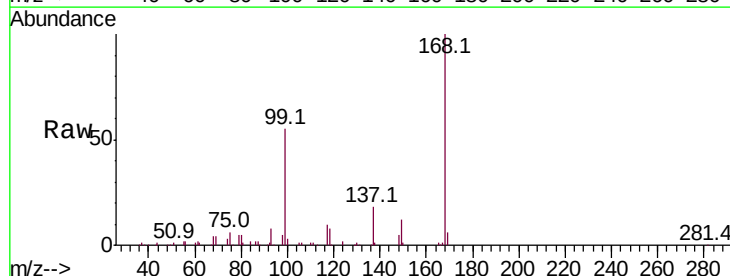


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

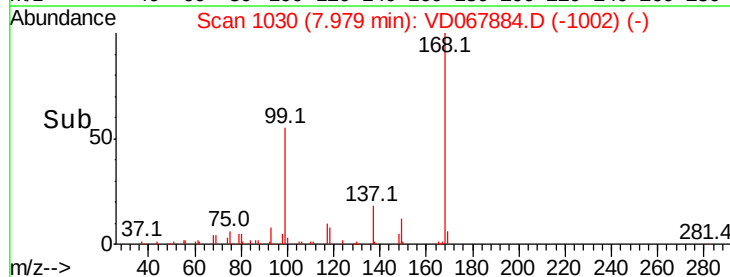
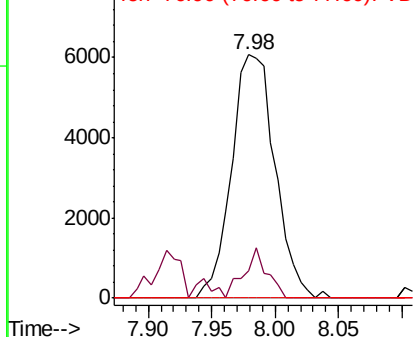


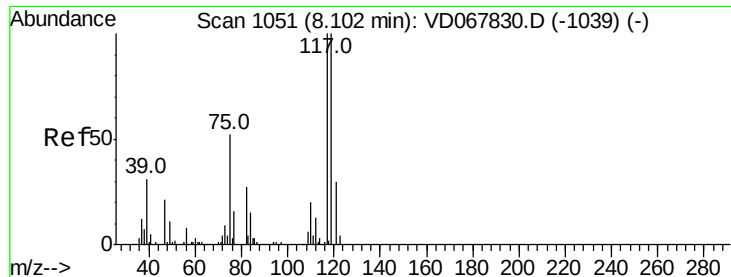
#36
1,1-Dichloropropene
Concen: 5.510 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067884.D
Acq: 04 Dec 2020 14:37

Tgt Ion: 75 Resp: 14449
Ion Ratio Lower Upper
75 100
110 10.8 20.3 61.0#
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.382 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067884.D

Acq: 04 Dec 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

TT-035-IDWSO-20201203

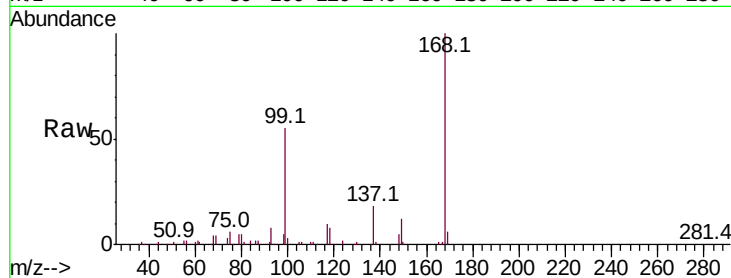
Tot Ion:117 Resp: 21354

Ion Ratio Lower Upper

117 100

119 4.3 79.7 119.5#

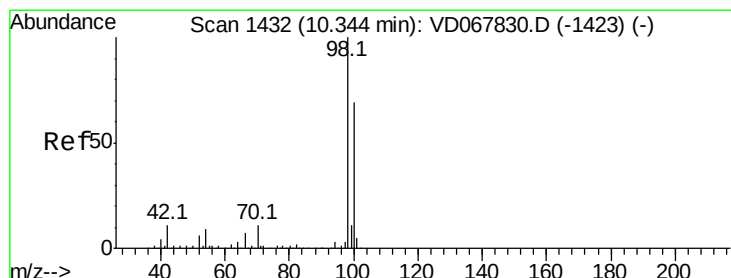
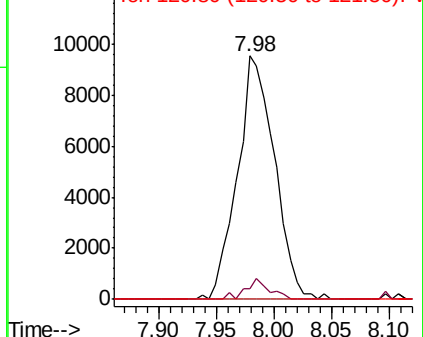
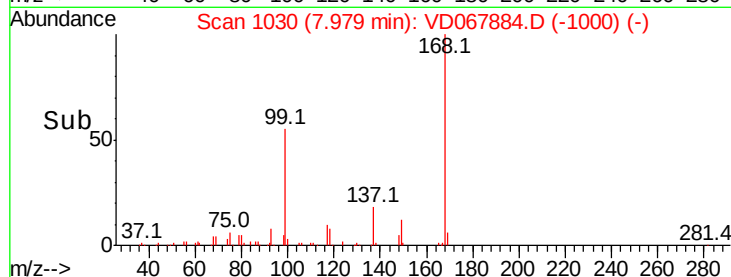
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 45.987 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067884.D

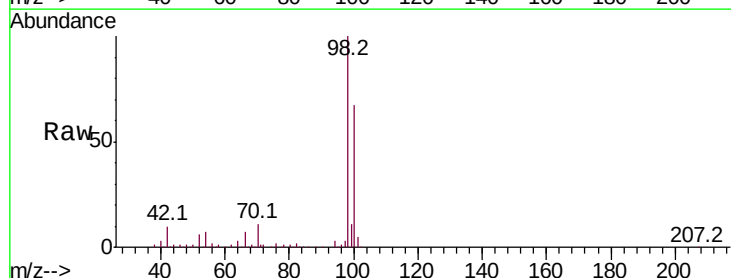
Acq: 04 Dec 2020 14:37

Tgt Ion: 98 Resp: 335559

Ion Ratio Lower Upper

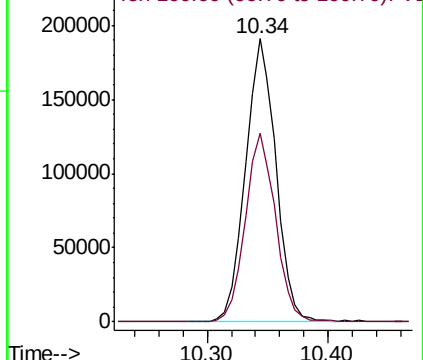
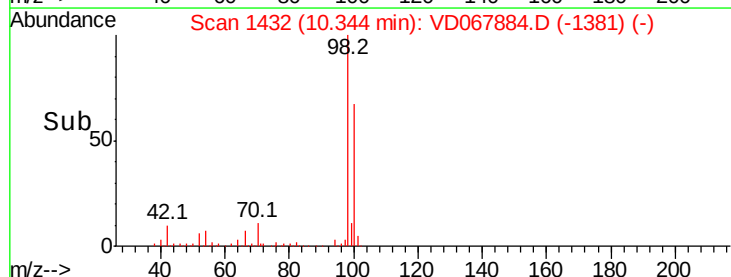
98 100

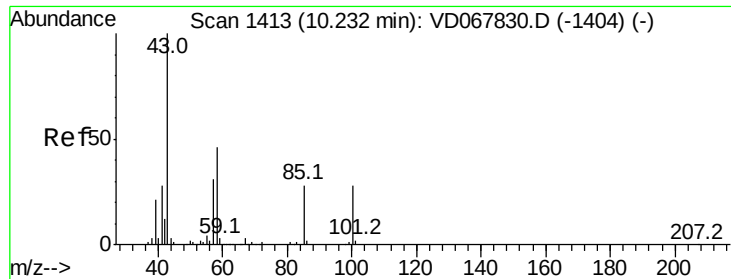
100 66.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.085 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067884.D

Acq: 04 Dec 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

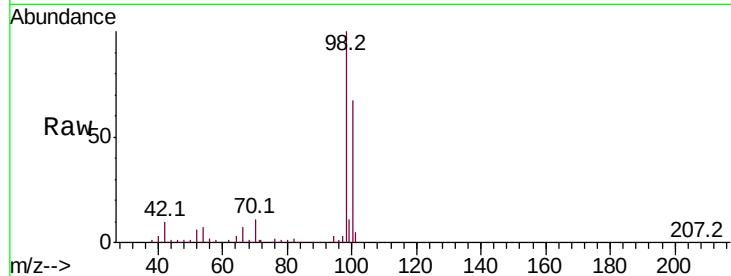
TT-035-IDWSO-20201203

Tot Ion: 43 Resp: 1372

Ion Ratio Lower Upper

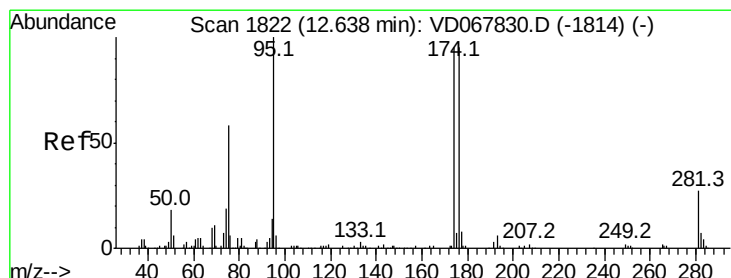
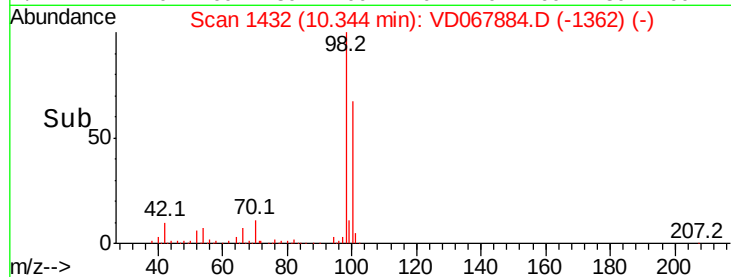
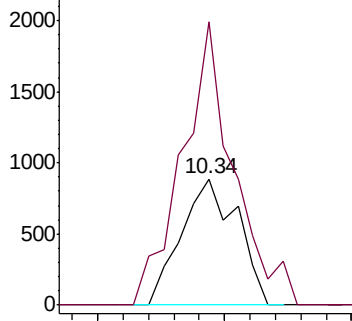
43 100

58 204.9 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 39.650 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067884.D

Acq: 04 Dec 2020 14:37

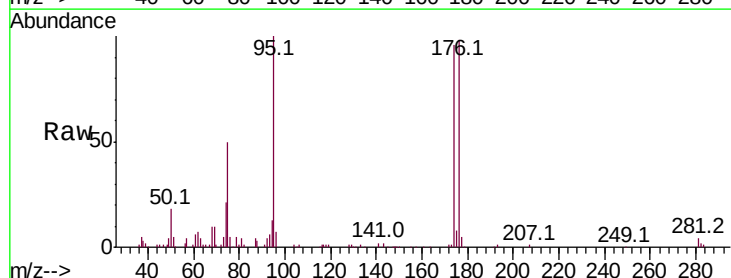
Tgt Ion: 95 Resp: 100025

Ion Ratio Lower Upper

95 100

174 99.8 0.0 186.0

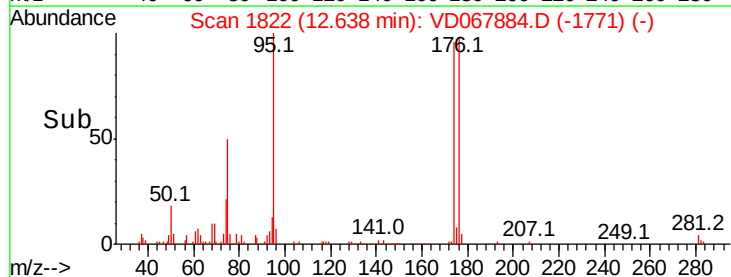
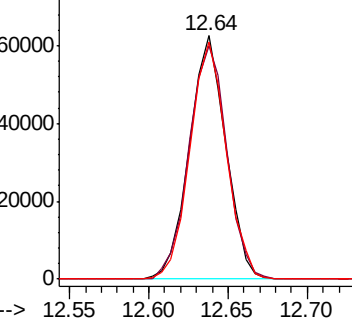
176 97.0 0.0 184.2

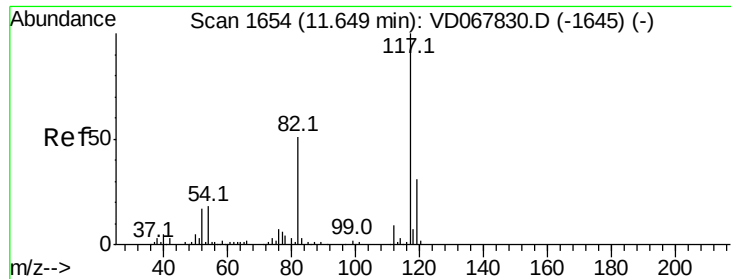


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

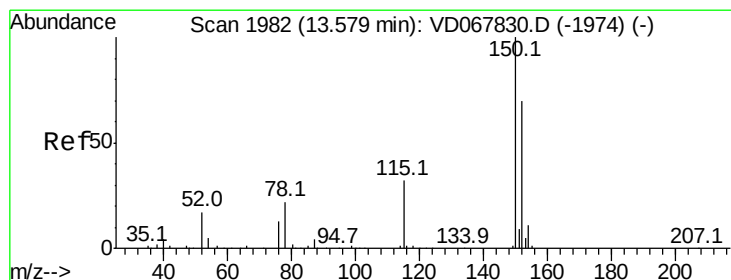
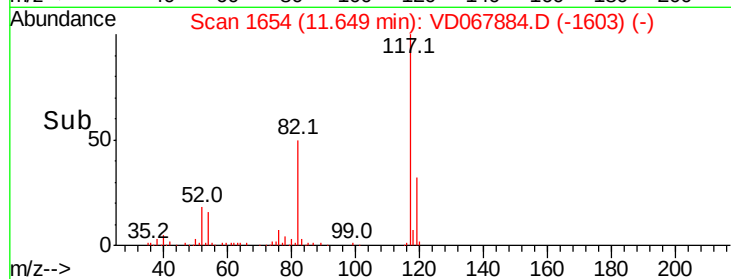
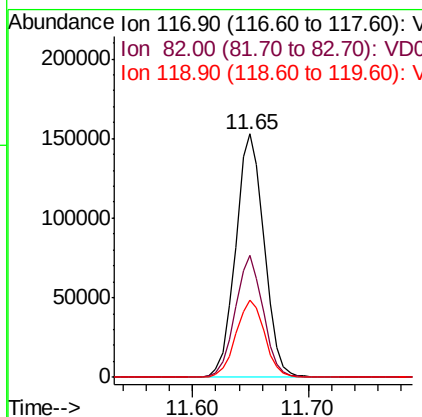
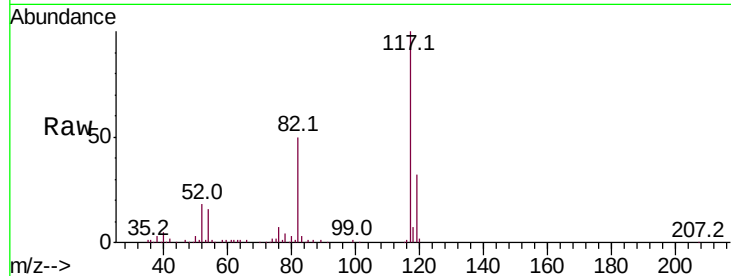




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067884.D
Acq: 04 Dec 2020 14:37

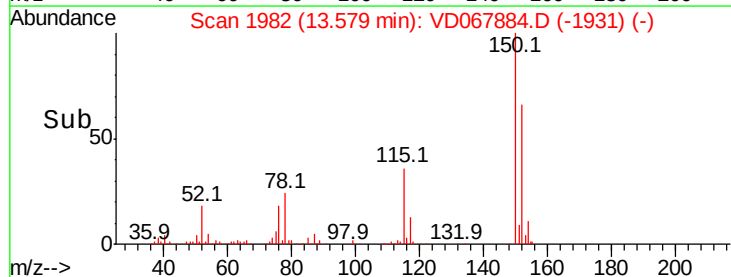
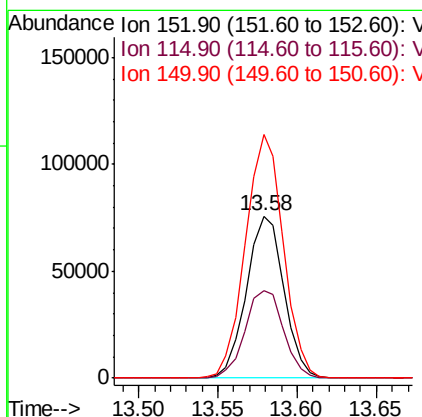
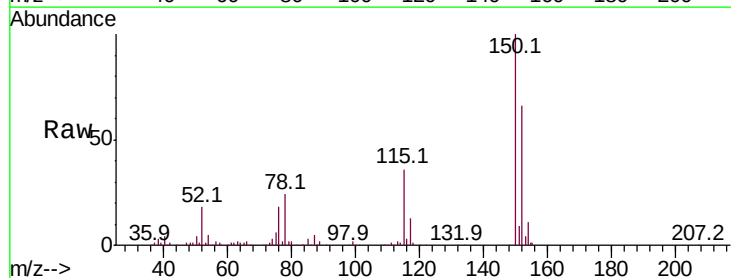
Instrument :
MSVOA_D
ClientSampleId :
TT-035-IDWSO-20201203

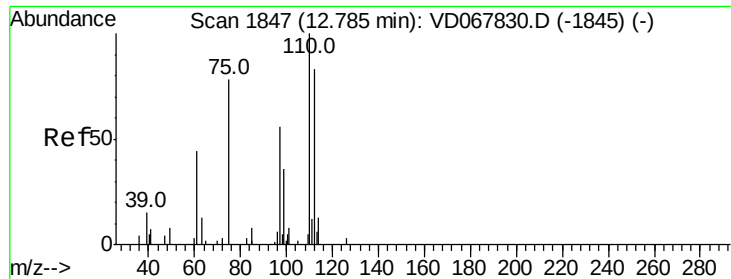
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	40.6	60.8
119	31.7	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067884.D
Acq: 04 Dec 2020 14:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	29.1	87.4
150	151.1	0.0	339.0

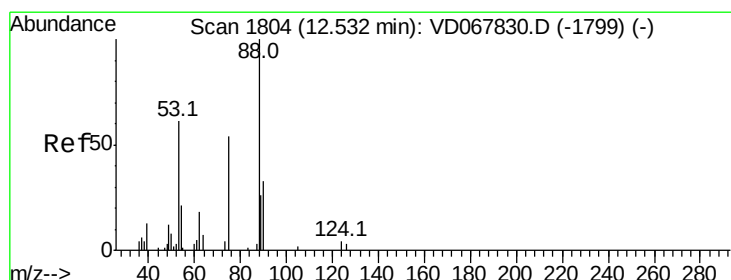
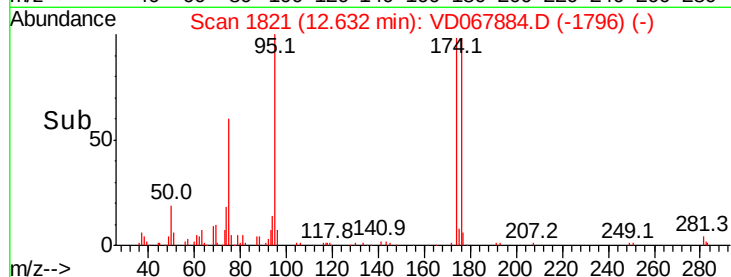
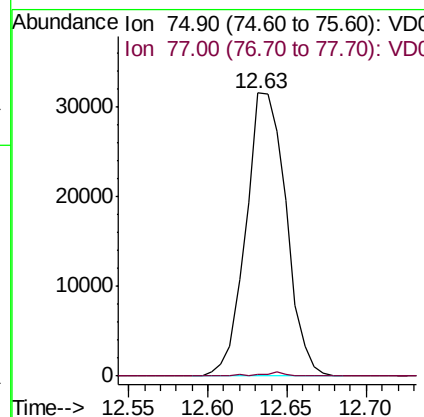
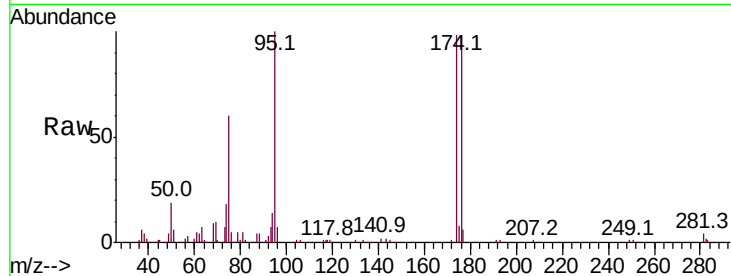




#76
 1,2,3-Trichloropropane
 Concen: 61.138 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD067884.D
 Acq: 04 Dec 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-035-IDWSO-20201203

Tot Ion: 75 Resp: 55650
 Ion Ratio Lower Upper
 75 100
 77 0.8 175.9 527.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.249 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD067884.D
 Acq: 04 Dec 2020 14:37

Tgt Ion: 75 Resp: 55650
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 127.0#
 89 0.0 41.0 61.6#

